

# THE WESTERN Journal of Medicine

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# BOOKS RECEIVED

Books received by THE WESTERN JOURNAL OF MEDICINE are acknowledged in this column. Selections will be made for more extensive review in the interest of readers as space permits.

**ALVAREZ ON ALVAREZ**—Walter Clement Alvarez, MD, Strawberry Hill Press, 616-44th Avenue, San Francisco (94221), 1977. 160 pages, \$5.95 (Paperback). Distributed by Stackpole Books, Cameron & Kelker Sts., Harrisburg, PA 17105.

**BASIC TECHNIQUES IN DIAGNOSTIC HISTOPATHOLOGY**—Alexander Kennedy, MD, MRCPPath, Consultant Pathologist, Sheffield Area Health Authority (Teaching); Formerly Senior Lecturer in Pathology, University of Sheffield, Visiting Assistant Professor in Surgical Pathology, University of Chicago, and Lecturer in Pathology, University of Liverpool. Churchill Livingstone-Medical Division of Longman Inc., 19 West 44th St., New York City (10036), 1977. 117 pages, \$9.50.

**CARDIAC EMERGENCIES**—Edited by Dean T. Mason, MD, Professor of Medicine; Professor of Physiology; Chief, Cardiovascular Medicine, University of California, Davis, School of Medicine, Sacramento Medical Center, Davis and Sacramento; President, American College of Cardiology; with 34 contributors. The Williams & Wilkins Company, 428 E. Preston St., Baltimore (21202), 1978. 408 pages, \$29.50.

**THE COMPULSIVE OVEREATER—Seven Steps to Thin Sanity**—George F. Christians. Doubleday & Company, Inc., 245 Park Avenue, New York City (10017), 1978. 100 pages, \$5.95.

**COPEMAN'S TEXTBOOK OF THE RHEUMATIC DISEASES—Fifth Edition**—Edited by J. T. Scott, MD, FRCP, Consultant Physician, Charing Cross and West London Hospitals, London; Honorary Physician and Head, Clinical Division, Kennedy Institute of Rheumatology, London. Churchill Livingstone/Medical Division of Longman Inc., 19 West 44th St., New York City (10036), 1978. 1,080 pages, \$65.00.

**CURRENT PEDIATRIC DIAGNOSIS & TREATMENT—Fifth Edition**—C. Henry Kempe, MD, Professor of Pediatrics and Microbiology; Henry K. Silver, MD, Professor of Pediatrics, and Donough O'Brien, MD, FRCP, Professor of Pediatrics, University of Colorado School of Medicine, Denver; and Associate Authors. Lange Medical Publications, Drawer L, Los Altos, CA (94022), 1978. 1,102 pages, \$17.00.

**EVERY WOMAN'S GUIDE TO HYSTERECTOMY—Taking Charge of Your Own Body**—DeeDee Jameson, Assistant Professor of Early Childhood and Human Development, School of Home Economics, University of Vermont; and Roberta Schwalb, RN, CNM, Associate Professor of professional nursing, University of Vermont. Prentice-Hall, Inc., Publishers, Englewood Cliffs, NJ (07632), 1978. 152 pages, \$8.95 (cloth); \$3.95 (paperback).

**FAMILY MEDICINE—Principles and Applications**—Edited by Jack H. Medalie, MD, MPH, Professor and Chairman, Department of Family Medicine, Case Western Reserve University School of Medicine, Cleveland. The Williams & Wilkins Company, 428 E. Preston Street, Baltimore (21202), 1978. 372 pages, \$15.95.

**FOR HEALTH'S SAKE—A Critical Analysis of Medical Care in the United States**. Howard R. Grossman, MD, Chief of Professional Services and surgeon, Veterans Administration Hospital, Martinez, California. Pacific Books, Publishers, P.O. Box 558, Palo Alto, CA (94302), 1977. 221 pages, \$8.95.

**GENETIC EFFECTS ON AGING—Volume XIV in the Original Article Series: BIRTH DEFECTS: Proceedings of a Conference Held at the Jackson Laboratory, Sep 12-17, 1976, Sponsored by the National Foundation—March of Dimes**—Editors: Daniel Bergsma, MD, Vice President for Professional Education, The National Foundation; David E. Harrison, PhD, Staff Scientist, The Jackson Laboratory, Bar Harbor, Maine; Associate Editor: Natalie W. Paul, The National Foundation. Alan R. Liss, Inc., 150 Fifth Avenue, New York City (10011), 1978. 550 pages, \$50.00.

**HANDBOOK OF TREATMENT OF MENTAL DISORDERS IN CHILDHOOD AND ADOLESCENCE**—Editor: Benjamin B. Wolman, PhD, Professor of Clinical Psychology, Long Island University, and Editor-in-Chief, *International Encyclopedia of Psychiatry, Psychology, Psychoanalysis, and Neurology*; Co-Editors: James Egan, MD, and Alan O. Ross, PhD. Prentice-Hall, Inc., Englewood Cliffs, NJ (07632), 1978. 475 pages, \$29.95.

**OBESITY—Everything You Should Know But Have Never Been Told**—John Erhardt, MD, Laguna Hills, CA. California Medical Press, 25132 Vespucci Rd., Laguna Hills, CA (92653), 1978. 129 pages, \$6.00 (paperback).

**RECENT ADVANCES IN CLINICAL IMMUNOLOGY**—Edited by R. A. Thompson, MBE, MBBS, BSc, MRCP, MRCPPath, Consultant Immunologist, Director, Regional Immunology Laboratory, East Birmingham Hospital; Senior Clinical Lecturer, Department of Experimental Pathology, University of Birmingham. Churchill Livingstone—Medical Division of Longman Inc., 19 West 44th St., New York City (10036), 1977. 299 pages, \$25.00.

**TOGETHER—A Casebook of Joint Practices in Primary Care**—General Editor: Berton Roueché. National Joint Practice Commission, 35 E. Wacker Drive, Chicago (60601), 1977. 256 pages, \$5.95 includes postage and handling. Orders must be prepaid to: NJPC/EPIC, 7383 Lincoln Ave., Chicago, IL 60646.

**TOUCHE ROSS HEALTH CARE HORIZONS '77—New Technology . . . Increasing Costs . . . Constricted Revenues—Forty-fifth Annual Review of Hospital Operations**. Copies are available without charge from Frank Transow, Touche Ross & Co., 3700 Wilshire Blvd., Los Angeles, CA 90010.

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## BLOOD TRANSFUSION

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## Appendix

### Standards for Blood Banks and Transfusion Services

#### I. General Policies and Definitions

- A. All phases of the selection of blood donors and of the collection, storage, processing, and transfusion of blood shall be the responsibility of a qualified, licensed physician with a thorough knowledge of blood bank methods and of transfusion principles and practices.
- B. There shall be an adequate staff to carry out the various phases of a blood transfusion service under his supervision.
- C. Suitable quarters and equipment shall be available to maintain safe and acceptable standards.

#### II. Donors and Donor Blood

##### A. Criteria for donor selection:

These shall be applied on the day of donation by suitably trained persons and the results shall be appropriately recorded.

1. It shall be determined that the blood donation will not be detrimental to the donor. The following minimum requirements shall apply:
  - a. Prospective donors with a history of chronic diseases of the heart, kidneys, lungs, liver and so forth, or with a history of cancer, of abnormal bleeding tendencies or of convulsions after infancy shall be excluded subject to evaluation by a qualified physician on the day of donation.
  - b. Except for reasonable qualifying circumstances, the interval between individual donations should be at least eight weeks.
2. The donor shall be free of disease transmittable by blood transfusion as ascertained at the time of collection in accordance with the guide for donor requirements.

##### 3. A guide for donor requirements

###### a. General appearance

The donor shall appear to be in good health and free from acute respiratory diseases.

###### b. Age

Blood donors shall be between the ages of 17 and 65 (up to 66th birthday) with the following exceptions:

- (1) Donors between ages of 17 and 21 must have a written consent signed by a parent or guardian, unless local law defines the legal age for blood donation as 18. Since laws defining minors vary from state to state, particularly relating to those who are married or on active duty in the federal armed services, legal opinion should be obtained.

- (2) After the 66th birthday, donors may be accepted at the discretion of the blood bank physician if they have specific written consent from a physician within two weeks before the date of donation provided they meet all other criteria for acceptability.

###### c. Temperature

The oral temperature shall not exceed 37.5° C (99.6° F).

###### d. Hemoglobin or hematocrit

The preferred method is determination of the hemoglobin concentration.

- (1) The hemoglobin level shall be no less than 12.5 grams per dl for female donors, and no less than 13.5 grams per dl for male donors.

## BLOOD TRANSFUSION

- (2) The hematocrit value, if substituted, shall be no less than 38 percent for women and no less than 41 percent for men.
- e. Pulse  
The pulse shall indicate no pathological cardiac irregularity and should be between 50 and 110 beats per minute.
- f. Blood pressure  
The systolic blood pressure should be between 100 and 200 mm of mercury and the diastolic between 50 and 100 mm of mercury. Prospective donors with diastolic blood pressure readings between 100 and 110 mm of mercury and donors with abnormal differences between their systolic and diastolic pressures may be accepted only after evaluation by a qualified physician.
- g. Pregnancy  
Existing pregnancy or pregnancy during the preceding six months disqualifies a prospective donor.
- h. Dental surgical procedures  
Tooth extraction or other minor oral surgical procedures during the preceding 72 hours shall exclude a donor.
- i. Receipt of blood or blood components  
Donors who during the preceding six months have received blood or those human blood components known to be a possible source of hepatitis shall be excluded.
- j. Infectious diseases  
A donor shall be free of infectious diseases known to be transmittable by blood insofar as can be determined by usual examination.
- (1) Viral hepatitis  
Donors with a history of viral hepatitis as well as those who within six months have had close contact with a person having the disease shall be excluded.
- (2) Malaria  
If the prospective donor has ever had a definite case of malaria, or is an immigrant or visitor from an area considered endemic by the Malaria Program Center for Disease Control, United States Department of Health, Education, and Welfare, he is permanently rejected. Travelers in areas considered endemic for malaria may be accepted as regular blood donors six months after return to the United States provided that they have been free of symptoms and have not taken antimalarial drugs. Those who have taken antimalarial prophylaxis shall be deferred for three years after cessation of suppressive therapy. All military personnel who have been in an endemic area should be considered to have received suppressive therapy whether or not they say they have. Donations to be used for the preparation of plasma, plasma components or fractions devoid of intact red blood cells are exempted from these restrictions.
- (3) Immunizations or vaccinations  
Symptom-free donors who have been immunized with toxoids, or killed viral, bacterial or rickettsial vaccines are acceptable after 24 hours. Included are tetanus, typhoid, paratyphoid, cholera, diphtheria, typhus, Rocky Mountain spotted fever, influenza, polio (Salk), plague and prophylactic rabies duck embryo vaccines.
- Smallpox: Donors are acceptable either after the scab has fallen off or two weeks after an immune reaction.
- Measles (rubeola), mumps, yellow fever, oral polio vaccine and animal serum products: Donors are acceptable two weeks after their last injection or ingestion.
- Rabies (therapeutic): Donors will be deferred until one year after their last injection.
- k. The skin at the venipuncture site shall appear free of lesions.
- l. Obvious stigmata of narcotic or alcoholic habituation or intoxication shall exclude a donor.
- m. Allergy  
A history of an attack of drug allergy within six months or presently symptomatic allergy such as asthma, hay fever or urticaria are causes for deferment. Donors with symptomatic allergy such as hay fever or urticaria may be accepted if the condition is not active at that time and if they have not received a hyposensitization injection within 72 hours.
- n. Weight and amount of blood  
Donors weighing 110 pounds (50 kg) or more may ordinarily give  $450 \pm 45$  ml of blood, in addition to pilot samples which shall not exceed 30 ml. Donors weighing less than 110 pounds may give proportionately less in a reduced volume of anticoagulant, provided the standards outlined earlier are met.

## EPITOMES—OPHTHALMOLOGY

ber of manufacturers have started investigations, under strict FDA supervision, to test the efficacy and safety of prolonged-wear contact lenses. A minimum two-year study period will be required before the FDA determines the acceptability of various contact lenses for prolonged cosmetic and visual wear.

Until the real risks of prolonged wear contact lenses are known, both patients and doctors would be advised to adopt a conservative wait-and-see

attitude. Most investigators in the field, however, are confident that safe prolonged wear contact lenses are a realistic possibility for the future.

ANTHONY B. NESBURN, MD

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### ANESTHESIOLOGY

June 1-4—**California Society of Anesthesiologists—Annual Scientific Meeting.** Sahara Tahoe Hotel, Lake Tahoe. Thursday-Sunday. Contact: CSA, 100 S. Ellsworth Ave., Suite 806, San Mateo 94401.

September 8-9—**Update of Anesthetic Drugs and Monitoring.** STAN. Friday-Saturday.

### CANCER

May 20—**White Cell Separators.** San Francisco Regional Cancer Foundation at Letterman Hospital, San Francisco. Saturday. 4 hrs. Contact: Norma Schlager, S. F. Regional Cancer Foundation, 14th Ave. and Lake, San Francisco 94118. (415) 221-2132.

June 3—**Childhood Cancer Update.** PMC. Saturday. 6 hrs. \$50.

June 19-23—**Head and Neck Oncology.** UCLA. Monday-Friday.

June 29-30—**Oncology Conference.** USC at Disneyland Hotel, Anaheim. Thursday-Friday.

### EMERGENCY MEDICINE

June 3-4—**Critical Care Monitoring.** UCLA at Airport Marina Hotel, Marina Del Rey. Saturday-Sunday.

June 10—**Plastic Surgery for Emergency Physicians.** UCI. Saturday.

June 26-30—**Trauma—Major and Minor.** USC. Monday-Friday.

July 24-28—**Postgraduate Institute for Emergency Physicians, Symposium II.** UCSD. Monday-Friday. 40 hrs. \$350.

August 7-11—**Postgraduate Institute for Emergency Physicians, Symposium III.** UCSD at Islandia Hyatt House, San Diego. Monday-Friday. 40 hrs. \$350.

September 11-15—**Postgraduate Institute for Emergency Physicians, Symposium I.** UCSD at Town and Country Hotel, San Diego. Monday-Friday. 40 hrs. \$350.

### MEDICINE

May 16—**Common Skin Problems Seen in Office Practice.** Eskaton Colusa Healthcare Center, Colusa. Tuesday. 2 hrs. \$20. Contact: Vincent C. Sansone, MD, 199 E. Webster St., Colusa 95932. (916) 458-5844.

May 19—**American Heart Association, California Affiliate—Physicians' Scientific Sessions.** Vacation Village, San Diego. Friday. Contact: Marilyn Probst, AHA, Calif. Affiliate, 805 Burlway Rd., Burlingame 94010. (415) 342-5522.

May 19—**The Child With Heart Disease: The Practitioner's Role.** See Pediatrics, May 19.

May 19-21—**Coronary Disease, Exercise Testing and Cardiac Rehabilitation.** International Medical Education Corp. at Sahara Hotel, Las Vegas. Friday-Sunday, 13 hrs. \$195. Contact: IMEC, 64 Inverness Dr. East, Englewood, CO 80110. (800) 525-8646 toll free.

May 22-26—**Advances in Internal Medicine.** UCSF at Hyatt on Union Square, San Francisco. Monday-Friday.

May 22-27—**Comprehensive Nephrology Review Course—3rd Biannual.** Cedars-Sinai Medical Center at Marriott Hotel, Los Angeles. Monday-Saturday. \$400. Contact: Andrew J. Lewin, MD, Hypertension Research, Cedars-Sinai Med. Ctr., 8700 Beverly Blvd., Los Angeles 90048.

May 29-June 2—**Advances in Internal Medicine.** UCSF. Monday-Friday.

May 31-June 2—**Advances in Child Neurology: Chronic Neurological Disorders in Childhood and Adolescence.** UCSF. Wednesday-Friday.

June 1-3—**Cardiac Symptoms and Arrhythmias—Their Diagnosis and Treatment.** International Medical Education Corp. at Marriott Inn, Marina Del Rey. Thursday-Saturday, 13 hrs. \$195. Contact: IMEC, 64 Inverness Dr. East, Englewood, CO 80110. (800) 525-8646 toll free.

### KEY TO ABBREVIATIONS AND SYMBOLS

Medical Centers and CMA Contacts for Information

- CMA:** California Medical Association  
Contact: Continuing Medical Education, California Medical Association, 731 Market Street, San Francisco 94103. (415) 777-2000.
- DREW:** Charles R. Drew Postgraduate Medical School  
Contact: Duane Dillman, PhD, Director, Office of Continuing Education, Charles R. Drew Postgraduate Medical School, 1621 East 120th Street, Los Angeles 90059. (213) 603-3091.
- LLU:** Loma Linda University  
Contact: Varner J. Johns, Jr., MD, Associate Dean for Continuing Medical Education, Loma Linda University School of Medicine, Loma Linda 92354. (714) 796-7311, Ext. 2400.
- PMC:** Pacific Medical Center  
Contact: Martin Brotman, MD, Chairman, Education Committee, Pacific Medical Center, P.O. Box 7999, San Francisco 94120. (415) 563-4321, ext. 2761.
- STAN:** Stanford University  
Contact: Edward Rubenstein, MD, Associate Dean for Postgraduate Education, Stanford University School of Medicine, 300 Pasteur Drive, Stanford 94305. (415) 497-5594.
- UCD:** University of California, Davis  
Contact: Neil C. Andrews, MD, Chairman, Department of Postgraduate Medicine, University of California, Davis, School of Medicine, Davis 95616. (916) 752-0328.
- UCI:** University of California, California College of Medicine, Irvine  
Contact: Robert Combs, MD, Associate Dean, Continuing Medical Education, University of California, Irvine—California College of Medicine, Irvine 92717 (714) 833-5991.
- UCLA:** University of California, Los Angeles  
Contact: Martin D. Shickman, MD, Director, Continuing Education in Medicine and the Health Sciences, P.O. Box 24902, UCLA, Los Angeles 90024. (213) 825-7241.
- UCSD:** University of California, San Diego  
Contact: David Allan, MD, Associate Dean for Continuing Medical Education, University of California, San Diego, School of Medicine (M-017), La Jolla 92093. (714) 452-3708.
- UCSF:** University of California, San Francisco  
Contact: Malcolm S. M. Watts, MD, Associate Dean and Director, Extended Programs in Medical Education, School of Medicine, University of California, San Francisco 94143. (415) 666-4251.
- USC:** University of Southern California  
Contact: Phil R. Manning, MD, Associate Dean, Postgraduate Division, University of Southern California School of Medicine, 2025 Zonal Avenue, Los Angeles 90033. (213) 226-2047.

June 3—**Infectious Disease Symposium.** Kaiser Foundation Hospital, Sacramento, at Kaiser Center, Oakland. Saturday. 5 hrs. Contact: Onera Roberts, Education Office, Kaiser Foundation Hosp., 2025 Morse Ave., Sacramento 95825. (916) 486-5965.

June 10—**Advances in Cardiology: A Practical Approach for the Primary Physician.** UCD at Waystation, South Lake Tahoe. Saturday. 7 hrs. \$55.

June 10—**Flexible Fiberoptic Bronchoscopy.** PMC. Saturday. 6 hrs. \$295.

June 14—**Acute and Chronic Diarrhea.** LLU. Wednesday. 4 hrs. \$25.

June 15-17—**Echocardiography: Fundamentals and New Developments in Cardiac Ultrasound.** American College of Cardiology at Sheraton Harbor Island Hotel, San Diego. Thursday-Saturday. Contact: Mary Anne McInerny, Dir., Extramural Prog. Dept., Div. of Cont. Ed., ACC, 9111 Old Georgetown Rd., Bethesda, MD 20014.

June 16-18—**Coronary Disease, Exercise Testing and Rehabilitation.** International Medical Education Corp. at Inn at the Park, Anaheim. Friday-Sunday. 13 hrs. Contact: IMEC, 64 Inverness Dr. East, Englewood, CO 80110. (800) 525-8646 toll free.

June 21-22—**Practical Allergy and Immunology.** USC at Beverly Wilshire Hotel, Beverly Hills. Wednesday-Thursday. 15½ hrs. \$125.

June 24—**Allergy in Office Practice.** PMC Saturday. 6 hrs. \$85.

June 29—**Renal Stones.** PMC. Thursday. 6 hrs. \$85.

July 28-30—**Clinical Electrocardiography and Arrhythmia Management.** International Medical Education Corp. at Newporter Inn, Newport Beach. Friday-Sunday. 13 hrs. \$195. Contact: IMEC, 64 Inverness Dr. East, Englewood, CO 80110. (800) 525-8646.

August 5—**Pulmonary Artery Catheters and Ventilators.** PMC. Saturday. 6 hrs. \$295.

August 9-12—**Pediatric Dermatology.** STAN. Wednesday-Saturday. 24 hrs. \$225; \$75, residents. Contact: Paul H. Jacobs, MD, Dept. of Dermatology, Stanford Univ. Sch. of Med., Stanford 94305. (415) 497-6101

August 25-26—**Vascular Disease and the Brain.** Dominican Neurologic Institute and Dominican Santa Cruz Hospital. Friday-Saturday. 12 hrs. \$150. Contact: Dominican Neurologic Institute, 1555 Soquel Dr., Santa Cruz 95065. (408) 476-0220, ext. 505.

August 25-27—**Dermatomycology.** UCSF. Friday-Sunday.

September 4-6—**"EEG, ABC"—13th Annual Course in Clinical Electroencephalography.** American Electroencephalographic Society at Hyatt Regency, San Francisco. Monday-Wednesday. Contact: American EEG Society Exec. Office, 38238 Glenn Ave., Willoughby, OH 44094. (216) 942-9267.

September 8-10—**Coronary Disease, Exercise Testing and Cardiac Rehabilitation.** International Medical Education Corp. at Sheraton at Fishermans Wharf, San Francisco. Friday-Sunday. 13 hrs. \$195. Contact: IMEC, 64 Inverness Dr. East, Englewood, CO 80110. (800) 525-8646 toll free.

September 11-14—**EKG Self Assessment.** PMC and American College of Cardiology at Golden Gateway Holiday Inn, San Francisco. Monday-Thursday.

September 16-17—**Kidney Disease—18th Annual Scientific Symposium.** Kidney Foundation of Southern Calif. at Ambassador Hotel, Los Angeles. Saturday-Sunday. 8 hrs. \$60. Contact: Mickie Hall Faris, KFSC, 1281 Westwood Blvd., Suite 200, Los Angeles 90024. (213) 473-6559.

September 17-21—**Pacific Dermatologic Association.** Hotel del Coronado, Coronado. Sunday-Thursday. 15½ hrs. Contact: Florence Beardsley, Exec. Sec., PDA, 180 Mark Twain Ave., Reno NV 89509. (702) 323-2461.

#### Brief Summary of Prescribing Information Combined TEGOPEN® (cloxacillin sodium) Capsules and Oral Solution

For complete information, consult Official Package Circular. (12) TEGOPEN 9/11/75

**Indications:** Although the principal indication for cloxacillin sodium is in the treatment of infections due to penicillinase-producing staphylococci, it may be used to initiate therapy in such patients in whom a staphylococcal infection is suspected. (See Important Note below.)

Bacteriologic studies to determine the causative organisms and their sensitivity to cloxacillin sodium should be performed.

**Important Note:** When it is judged necessary that treatment be initiated before definitive culture and sensitivity results are known, the choice of cloxacillin sodium should take into consideration the fact that it has been shown to be effective only in the treatment of infections caused by pneumococci, Group A beta-hemolytic streptococci, and penicillin G-resistant and penicillin G-sensitive staphylococci. If the bacteriology report later indicates the infection is due to an organism other than a penicillin G-resistant staphylococcus sensitive to cloxacillin sodium, the physician is advised to continue therapy with a drug other than cloxacillin sodium or any other penicillinase-resistant semi-synthetic penicillin.

Recent studies have reported that the percentage of staphylococcal isolates resistant to penicillin G outside the hospital is increasing, approximating the high percentage of resistant staphylococcal isolates found in the hospital. For this reason, it is recommended that a penicillinase-resistant penicillin be used as initial therapy for any suspected staphylococcal infection until culture and sensitivity results are known.

Cloxacillin sodium is a compound that acts through a mechanism similar to that of methicillin against penicillin G-resistant staphylococci. Strains of staphylococci resistant to methicillin have existed in nature and it is known that the number of these strains reported has been increasing. Such strains of staphylococci have been capable of producing serious disease, in some instances resulting in fatality. Because of this, there is concern that widespread use of the penicillinase-resistant penicillins may result in the appearance of an increasing number of staphylococcal strains which are resistant to these penicillins.

Methicillin-resistant strains are almost always resistant to all other penicillinase-resistant penicillins (cross-resistance with cephalosporin derivatives also occurs frequently). Resistance to any penicillinase-resistant penicillin should be interpreted as evidence of clinical resistance to all, in spite of the fact that minor variations in *in vitro* sensitivity may be encountered when more than one penicillinase-resistant penicillin is tested against the same strain of staphylococcus.

**Contraindications:** A history of a previous hypersensitivity reaction to any of the penicillins is a contraindication.

**Warning:** Serious and occasionally fatal hypersensitivity (anaphylactoid) reactions have been reported in patients on penicillin therapy. Although anaphylaxis is more frequent following parenteral therapy it has occurred in patients on oral penicillins. These reactions are more apt to occur in individuals with a history of sensitivity to multiple allergens.

There have been well documented reports of individuals with a history of penicillin hypersensitivity reactions who have experienced severe hypersensitivity reactions when treated with a cephalosporin. Before therapy with a penicillin, careful inquiry should be made concerning previous hypersensitivity reactions to penicillins, cephalosporins, and other allergens. If an allergic reaction occurs, the drug should be discontinued and the patient treated with the usual agents, e.g., pressor amines, antihistamines, and corticosteroids.

Safety for use in pregnancy has not been established. **Precautions:** The possibility of the occurrence of superinfections with mycotic organisms or other pathogens should be kept in mind when using this compound, as with other antibiotics. If superinfection occurs during therapy, appropriate measures should be taken.

As with any potent drug, periodic assessment of organ system function, including renal, hepatic, and hematopoietic, should be made during long-term therapy.

**Adverse Reactions:** Gastrointestinal disturbances, such as nausea, epigastric discomfort, flatulence, and loose stools, have been noted by some patients. Mildly elevated SGOT levels (less than 100 units) have been reported in a few patients for whom pretherapeutic determinations were not made. Skin rashes and allergic symptoms, including wheezing and sneezing, have occasionally been encountered. Eosinophilia, with or without overt allergic manifestations, has been noted in some patients during therapy.

**Usual Dosage:** Adults: 250 mg. q. 6h.

Children: 50 mg./Kg./day in equally divided doses q. 6h. Children weighing more than 20 Kg. should be given the adult dose. Administer on empty stomach for maximum absorption.

**N.B.:** INFECTIONS CAUSED BY GROUP A BETA-HEMOLYTIC STREPTOCOCCI SHOULD BE TREATED FOR AT LEAST 10 DAYS TO HELP PREVENT THE OCCURRENCE OF ACUTE RHEUMATIC FEVER OR ACUTE GLOMERULONEPHRITIS.

**Supplied:** Capsules—250 mg. in bottles of 100, 500 mg. in bottles of 100. Oral Solution—125 mg./5 ml. in 100 ml. and 200 ml. bottles.



BRISTOL LABORATORIES  
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(Continued from Page 32)

- September 28-30—**Clinical Immunology.** UCSF at Golden Gateway Holiday Inn, San Francisco. Thursday-Saturday.
- September 29-October 1—**Cardiac Symptoms and Arrhythmias—Their Diagnosis and Treatment.** International Medical Education Corp. at Sahara Hotel, Las Vegas. Friday-Sunday. 13 hrs. \$195. Contact: IMEC, 64 Inverness Dr. East, Englewood, CO 80110. (800) 525-8646 toll free.

## OBSTETRICS AND GYNECOLOGY

- May 19—**Introduction to Colposcopy and Evaluation of Early Cervical Neoplasia.** UCD at Woodlake Inn, Sacramento. Friday. 7¼ hrs. \$45.
- August 26-September 1—**Practical Management of the Infertile Couple—2nd Annual Edward Tyler Symposium.** See Of Interest To All, August 26-September 1.
- September 14-16—**Obstetrics and Gynecology—Annual Fall Symposium.** UCSF at Hyatt on Union Square, San Francisco. Thursday-Saturday.
- September 17-23—**Advances in Obstetrics.** UCSF at Maui, Hawaii. One week.
- September 21-22—**Progress in Perinatal Medicine.** Bay Area Chapter, National Foundation-March of Dimes; Kaiser-Permanente and UCSF at Hilton Hotel, San Francisco. Thursday-Friday. Contact: Arlene M. Mann, MD, Dir. of Public/Professional Ed., 1255 Post St., Suite 415, San Francisco 94109. (415) 441-1900.
- September 29-30—**Office Gynecology Workshop.** PMC. Friday-Saturday. 9 hrs.

## PEDIATRICS

- May 19—**The Child With Heart Disease: The Practitioner's Role.** UCD at Woodlake Inn, Sacramento. Friday. 6 hrs.
- May 20-21—**Neuropediatrics.** UCLA. Saturday-Sunday. 11 hrs. \$165.
- May 27-29—**American Academy of Pediatrics, California Chapter I, District IX.** Hyatt House, Monterey. Saturday-Monday. Contact: Martin Gershman, MD, 595 Buckingham Way, San Francisco 94132.
- May 31-June 2—**Advances in Child Neurology: Chronic Neurological Disorders in Childhood and Adolescence.** See Medicine, May 31-June 2.
- June 3—**Childhood Cancer Update.** See Cancer, June 3.
- June 8-9—**Pediatric Allergy and Immunology.** USC. Thursday-Friday.
- August 9-12—**Pediatric Dermatology.** See Medicine, August 9-12.
- September 20-21—**Brennemann Memorial Lectures—35th Annual.** Los Angeles Pediatric Society at Hilton Hotel, Los Angeles. Wednesday-Thursday. Contact: Los Angeles Pediatric Society, P.O. Box 2022, Inglewood 90305. (213) 757-1198.
- September 21-22—**Progress in Perinatal Medicine.** See Obstetrics and Gynecology, September 21-22.

## PSYCHIATRY

- May 19-21—**Treatment of Schizophrenia.** UCSF. Friday-Sunday.
- June 2-3—**Psychosocial Care of the Dying Patient.** See Of Interest To All, June 2-3.
- June 17-18—**Practical Applications of Biofeedback in the Health Sciences—5th Annual Seminar.** See Of Interest To All, June 17-18.
- June 26-30—**Comparative Psychotherapies.** USC. Monday-Friday.

- June 30-July 1—**Human Problems: Ordinary and Extraordinary—3rd Don D. Jackson Memorial Conference.** Mental Research Institute at Sir Francis Drake Hotel, San Francisco. Friday-Saturday. Contact: Peggy Smith, MRI, 555 Middlefield Rd., Palo Alto 94301. (415) 321-3055.

- September 4-6—**"EEG, ABC"—13th Annual Course in Clinical Electroencephalography.** See Medicine, September 4-6.

## RADIOLOGY AND PATHOLOGY

- June 3-4—**Leo Rigler Radiology Symposium: Bone and Joint Radiology.** UCLA. Saturday-Sunday.
- June 27-30—**Society of Nuclear Medicine—25th Annual Meeting.** Anaheim. 21 hrs. \$40, members; \$60, nonmembers. Contact: Margaret Glos, Exec. Dir., SNM, 475 Park Ave. S., N. Y., NY 10016. (212) 889-0717.
- July 30-August 5—**Ultrasound and Computed Tomography.** American College of Medical Imaging and American Institute of Ultrasound in Medicine at Mauna Kea Beach Hotel, Kamuela, Hawaii. Sunday-Saturday. Contact: ACMI, P.O. Box 27188, Los Angeles 90027. (213) 275-1393.
- September 9—**Gastrointestinal Radiology.** Southern Calif. Permanente Medical Group at Century Plaza Hotel, Los Angeles. Saturday. 7 hrs. \$30. Contact: Shirley Gach, Education and Research Dept., SCPMG, 4747 Sunset Blvd., 4th Floor, Los Angeles 90027. (213) 667-4241.
- Postgraduate Videotape Programs in Diagnostic Radiology.** Developed by Dept. of Radiology, UCSF. 15 programs in all aspects of diagnostic radiology. Outstanding group of national and international guest lecturers in addition to UC staff present basic approaches to radiographic interpretation and technique as well as new research and clinical advances. Contact: Avelene Blumenstock, Videotape Coordinator, Dept. of Radiology, UCSF, San Francisco 94143. (415) 666-1988.

## SURGERY

- May 20-22—**Neurosurgery—8th Annual Course.** UCSF at Sheraton Palace, San Francisco. Saturday-Monday.
- May 28—**Surgical Management of the Traumatized Patient—3rd Annual Clarence E. Stafford Memorial Surgical Symposium and Lecture.** White Memorial Medical Center and LLU at Bonaventure Hotel, Los Angeles. Sunday. 8½ hrs. \$75. Contact: Dir. of Cont. Ed., White Memorial Med. Ctr., 1720 Brooklyn Ave., Box 127, Los Angeles 90033. (213) 269-9131.
- June 2-3—**Intraocular Lens Implantation Course.** Santa Monica Hospital. Friday-Saturday. \$600. Contact: Intraocular Lens Implantation Course, SMH, 1225 15th St., Santa Monica 90404. (213) 451-1511, ext. 2148.
- June 2-4—**Soft Tissue Surgery.** USC. Friday-Saturday.
- June 5-16—**Temporal Bone Surgical Dissection Course.** Ear Research Institute, Los Angeles. Two weeks. \$1200 for otolaryngologists; \$900, residents. Contact: Antonio De La Cruz, MD, Dir., Temporal Bone Surgical Dissection Course, ERI, 256 S. Lake St., Los Angeles 90057.
- June 9-10—**Ophthalmology Update VI.** PMC at Jack Tar Hotel, San Francisco. Friday-Saturday. 13 hrs. \$225.
- June 10—**Strabismus Surgery Workshop.** Jules Stein Eye Institute, Los Angeles. Saturday. 8 hrs. \$200. Contact: Lu Hendricks, Academic Prog. Admin., Jules Stein Eye Institute, 800 Westwood Plaza, Los Angeles 90024. (213) 825-4617.
- June 10—**Flexible Fiberoptic Bronchoscopy.** See Medicine, June 10.
- June 11-15—**American Society of Colon and Rectal Surgeons—Annual Convention.** San Diego. Sunday-Thursday. Contact: Harriette Gibson, Admin. Sec., ASCRS, 615 Griswold, No. 516, Detroit, MI 48226. (313) 961-7880.
- June 15-17—**Hip Course.** UCLA. Thursday-Saturday.
- June 15-17—**Highlights of Ophthalmology.** PMC at Golden Gateway Holiday Inn, San Francisco. Thursday-Saturday. 16 hrs. \$195.



June 15-17—**Retina Workshop.** St. Mary's Hospital and Medical Center at Silverado Country Club, Napa. Thursday-Saturday. 12 hrs. \$95. Contact: Med. Staff Secretary, St. Mary's Hosp. and Med. Ctr, 450 Stanyan St., San Francisco 94117.

June 29—**Renal Stones.** See Medicine, June 29.

August 4-5—**Intraocular Lens Implantation Course.** Santa Monica Hospital, Santa Monica. Friday-Saturday. \$600; \$300, residents and military. Contact: Intraocular Lens Implantation Course, SMH, 1225 15th St., Santa Monica 90404. (213) 451-1511, ext. 2148.

September 4-6—**"EEG, ABC"—13th Annual Course in Clinical Electroencephalography.** See Medicine, September 4-6.

September 22-23—**Ophthalmology Update VII.** PMC and Update Foundation at Golden Gateway Holiday Inn, San Francisco. Friday-Saturday. 13 hrs. \$225.

**Orthopaedic Audio-Synopsis Foundation.** A non-profit service for Orthopaedic Surgeons publishing monthly recorded teaching programs which include summaries of pertinent literature and excerpts from national and international orthopaedic meetings. Monthly c-60 cassette tapes. Annual subscription rate \$75 (\$37.50 for residents). Contact: A. Harris, Man. Ed., OASF, 1510 Oxley St., So. Pasadena 91030. (213) 682-1760.

#### OF INTEREST TO ALL PHYSICIANS

May 15-21—**Diving Medicine.** UCSF at VA Hospital, Fresno. One week.

May 19-21—**Health Aspects of Human Sexuality.** Human Sexuality Program, UCSF. Friday-Sunday. Contact: John Holland, Human Sexuality Prog., UCSF, 350 Parnassus Ave., Suite 700, San Francisco 94143. (415) 666-4787.

May 20-21—**Human Sexuality.** DREW. Saturday-Sunday.

May 21-26—**Orthopaedic Symposium for the Family Practitioner.** UCD at Stanford Sierra Camp, Fallen Leaf Lake. Sunday-Friday. 40 hrs. \$225.

May 31-June 2—**Management of Medical Problems.** PMC at Holiday Inn on Union Square, San Francisco. Wednesday-Friday. 18 hrs. \$125.

June 2-3—**Psychosocial Care of the Dying Patient.** UCSF at Golden Gateway Holiday Inn, San Francisco. Friday-Saturday.

June 3—**Impotence: Recognizing the Causes and Treatment Options.** Eisenhower Medical Center, Rancho Mirage. Saturday. 4 hrs. \$5. Contact: John J. Deller, Dir. of Education and Research, EMC, 39000 Bob Hope Dr., Rancho Mirage 92270. (714) 346-3911.

June 3-4—**Human Sexuality.** DREW. Saturday-Sunday.

June 3-4—**Nutrition: Myths and Realities.** UCSF and Institute for the Study of Human Knowledge. Saturday-Sunday.

June 7-8—**Pesticide Protection Seminar for Health Personnel.** Calif. Dept. of Health at Holiday Inn, Carmel. Wednesday-Thursday. 14 hrs. Contact: Laboratory Training Office, Dept. of Health, 2151 Berkeley Way, Room 338, Berkeley 94704. (415) 843-7900, ext. 260.

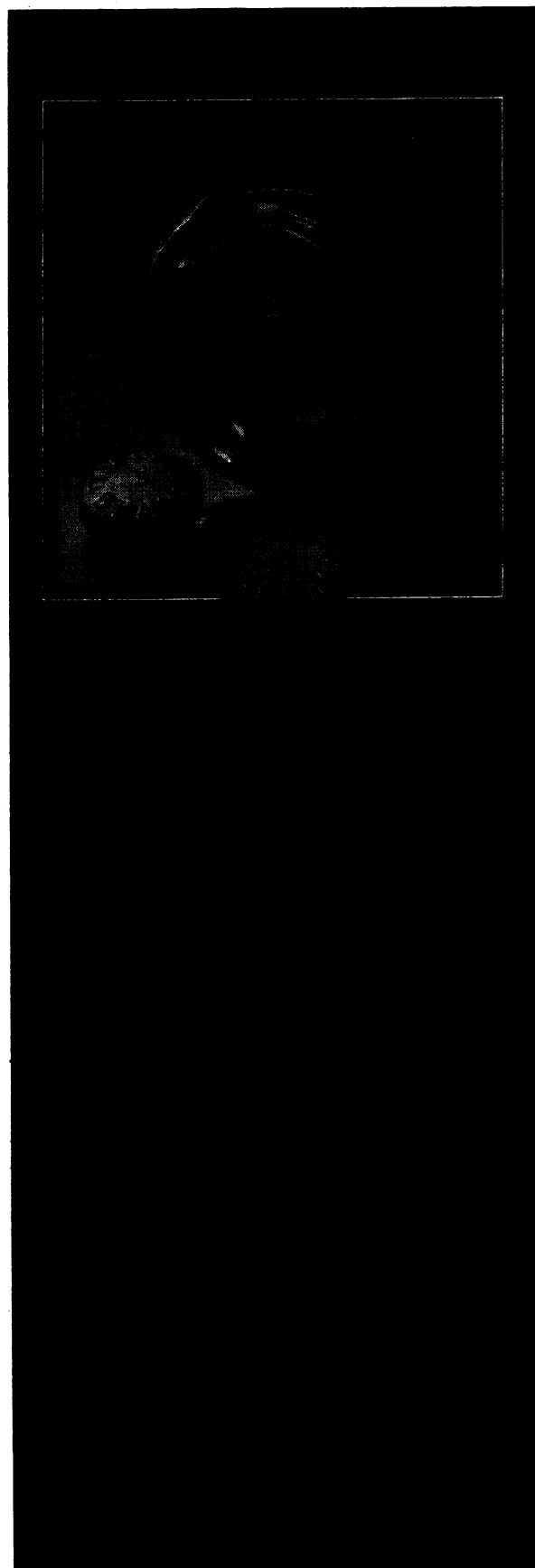
June 7-9—**Dermatology for the Family Practitioner.** UCD at Hyatt Lake Tahoe, Incline Village. Wednesday-Friday. 14½ hrs. \$100.

June 8-10—**Metabolic and Nutritional Care of the Hospitalized Patient.** UCSF. Thursday-Saturday.

June 8-10—**Development of Occupational Medical and Safety Services.** PMC. Thursday-Saturday.

June 10-11—**Practical Infectious Diseases for the Primary Care Physician.** UCLA. Saturday-Sunday. 12 hrs. \$140.

June 16-18—**San Diego Chapter, California Academy of Family Physicians—22nd Annual Postgraduate Symposium.** Town and Country Hotel, San Diego. Friday-Sunday. 15 hrs. Contact: Don Wilson, MD, 233 A St., Suite 1005, San Diego 92101.



- June 17—**Gerontological Seminar—3rd Annual.** UCSF at Diablo Valley College, Rossmoor. Saturday. 7 hrs. \$50.
- June 17-18—**Practical Applications of Biofeedback in the Health Sciences—5th Annual Seminar.** UCLA at Marriott Hotel, Los Angeles Airport. Saturday-Sunday. 12½ hrs. \$185.
- June 18-24—**Family Practice Refresher Course—9th Annual.** UCI at South Coast Plaza Hotel, Costa Mesa. Sunday-Saturday.
- June 20—**Hypertension—Rationale for Appropriate Work-Up and Advances in Therapy.** Eskaton Colusa Healthcare Center, Colusa. Tuesday. 2 hrs. \$20. Contact: Vincent C. Sansone, MD, Cont. Med. Ed., Eskaton Colusa Healthcare Ctr., 199 E. Webster St., Colusa 95932. (916) 458-5844.
- June 23-24—**Sexual Abuse: Issues for Health Practitioners.** UCSF at Sheraton Palace, San Francisco. Friday-Saturday. \$80. Contact: UCSF, Cont. Ed. in Health Sciences, 1308 Third Ave., San Francisco 94143. (415) 666-2894.
- June 30-July 1—**Human Problems: Ordinary and Extraordinary.** See Psychiatry, June 30-July 1.
- July 5-August 2—**Introduction to Integral Medicine.** UCLA. Wednesday evenings. 12½ hrs. \$120.
- July 10-21—**Intensive Workshop in Sex Therapy Skills.** UCSF Human Sexuality Program. Two weeks. \$400. Contact: Human Sexuality Program, 350 Parnassus, No. 700, San Francisco 94143. (415) 666-4787.
- July 17-21—**Family Practice Refresher Course.** UCLA at Century Plaza Hotel, Los Angeles. Monday-Friday. 42½ hrs. \$300.
- July 22-25—**Allergy and Clinical Immunology for Non-Allergist Physicians.** American Assn. for Clinical Immunology and Allergy at Newport Inn, Newport Beach. Saturday-Tuesday. 26 hrs. \$260. Contact: AACIA, P.O. Box 912, Omaha, NE 68101. (402) 551-0801.
- July 31-August 11—**Intensive Workshop in Sex Therapy Skills.** See above, July 10-21.
- August 11-15—**Management of Pain.** PMC and Academy of Pain Research at Hyatt Regency, San Francisco. Friday-Tuesday. 30 hrs. \$275.
- August 12-23—**Annual Postgraduate Refresher Course.** USC at Hawaii. 12 days.
- August 13-18—**Family Practice Refresher Course—6th Annual.** UCD at Del Monte Hyatt House, Monterey. Saturday-Thursday. 30 hrs. \$225.
- August 26-September 1—**Practical Management of the Infertile Couple—2nd Annual Edward Tyler Symposium.** Tyler Medical Clinic and Univ. of Hawaii School of Medicine at Royal Lahaina Hotel, Maui, Hawaii. One week. 17 hrs. \$150. Contact: Exclusive Travel, Inc., 3345 Wilshire Blvd., Los Angeles 90010.
- September 16-17—**National Amphetamine Conference.** Amphetamine Evaluation and Physician Training Project, UCSF, Calif. Soc. for the Treatment of Alcoholism and Other Drug Dependencies, Haight-Ashbury Free Med. Clinic and CMA at UCSF. Saturday-Sunday. 11 hrs. \$30, both days; \$20, one day. Contact: Amphetamine Evaluation and Physician Training Project, 409 Clayton St., San Francisco 94117. (415) 626-6763.
- September 23—**Drug Abuse.** UCLA. Saturday.
- September 25-28—**American Academy of Family Physicians.** Brooks Hall, San Francisco. Monday-Thursday. Contact: AAFP, 1740 W. 92nd St., Kansas City, MO 64114. (816) 333-9700.
- September 30-October 1—**Eight Common Clinical Problems for the Primary Care Physician.** UCLA. Saturday-Sunday.

**Audio-Digest Foundation.** A nonprofit educational subsidiary of the California Medical Association. Twice-a-month tape-recorded summaries of leading national meetings. Services by subscription in: Anesthesiology, Family Practice, Internal

Medicine, Obstetrics/Gynecology, Ophthalmology, Otorhinolaryngology, Pediatrics, Psychiatry, Surgery. (\$90.00 per year for 24 one-hour cassettes or reels.) New catalog of lectures and panel discussions in all areas of medical practice also available, as well as cassette album condensations of the following 1977 specialty meetings: postgraduate courses from the annual meeting of the American Psychiatric Assn., workshops from the annual meeting of the American College of Physicians, and postgraduate courses from the annual sessions of the American College of Obstetricians and Gynecologists. For further information on subscriptions, catalogs and special courses, contact Mr. Claron L. Oakley, Editor, 1577 E. Chevy Chase Dr., Glendale 91206.

**Videotape Postgraduate Course for the Primary Care Physician.** UCSF, School of Medicine, Div. of Ambulatory and Community Medicine. 24 Category I hrs. upon completion of course as designed—12 programs each year. Contact: Ms. Estelle Nelson, UCSF, Rm. 432-A, 400 Parnassus Ave., San Francisco 94143. (415) 666-1445.

**Health Research Group of the American Institutes for Research.** A not-for-profit research corp. CME research project seeks physician input. Physicians in general or family practice in non-urban areas of Calif. may be contacted to participate in a major research project on development of a continuing medical education system for doctors in office practice. Project will offer, without charge, up to 30 hrs. Category I credit in return for trying out and critiquing a newly developed set of instructional materials. These materials, entitled "Management of Adult Asthma: for General and Family Physicians," and the delivery system to be tried out were developed by the Health Research Group of the American Institutes for Research under contract to the National Heart, Lung, and Blood Institute/National Institutes of Health. Contact: Muriel H. Bagshaw, MD, Project Dir., Health Research Group, American Institutes for Research, P.O. Box 1113, Palo Alto 94302. (415) 493-3550.

## OREGON

### COUNCIL ON MEDICAL EDUCATION

THIS BULLETIN of information regarding continuing education programs and meetings of various medical organizations in Oregon is supplied by the Council on Medical Education of the Oregon Medical Association. In order that they may be listed here, please send communications relating to your future meetings or postgraduate courses two months in advance to Council on Medical Education, Oregon Medical Association, 5210 SW Corbett Ave., Portland, OR 97201; or phone (503) 226-1555.

### MEDICAL GRAND ROUNDS

Douglas Community Hospital, 738 West Harvard Avenue, Roseburg 97470

Every Monday 12:30 p.m. Contact: Robert A. Driver, MD, Douglas Community Hospital, 738 West Harvard Avenue, Roseburg 97470.

University of Oregon Medical School, Department of Internal Medicine, 3181 SW Sam Jackson Park Road, Portland 97201:

Every Tuesday, 8:00 a.m. to 9:00 a.m.—**Internal Medicine Grand Rounds.** Library Auditorium, University of Oregon Health Sciences Center, Portland. Contact: Stephen R. Jones, MD, Department of Internal Medicine, University of Oregon Health Sciences Center, 3181 SW Sam Jackson Park Road, Portland, 97201.

Good Samaritan Hospital and Medical Center, 1015 NW 22nd Avenue, Portland 97210:

Every Wednesday, 8:00 a.m. to 9:00 a.m. **Medicine Grand Rounds.** Contact: Chris Cobb, Good Samaritan Hospital and Medical Center, 1015 NW 22nd Avenue, Portland 97210.

Providence Medical Center, 700 NE 47th Ave., Portland 97213:

Every Wednesday, 8:00 a.m. **Medical Grand Rounds.** Contact: Martha Regan, MD, Providence Medical Center, 700 NE 47th Ave., Portland, 97213.

Emanuel Hospital, 2801 N Gantenbein Street, Portland 97227

Every Thursday at 12:30 p.m. **Basic Science for Clinicians.** Contact: Ben Bachulis, MD, Emanuel Hospital, 2801 N Gantenbein Street, Portland 97227.

Salem Hospital, 665 Winter Street SE, Salem 97301:

First and third Thursday of each month 7:15 a.m. to 8:15 a.m. **Medical Live Audit Conference.** Memorial Auditorium. Contact: Diane Eyerly, Salem Hospital, 665 Winter St. SE, Salem 97301.

Every Friday, 7:30 a.m. to 8:30 a.m. **Friday Grand Rounds.** Memorial Auditorium. Contact: Diane Eyerly, Salem Hospital, 665 Winter St. SE, Salem 97301.

## FAMILY PRACTICE

Every Wednesday, 11:00 a.m. to 12:00 Noon. **Family Practice Grand Rounds.** Family Practice Center, University of Oregon Health Sciences Center. Contact: William A. Fisher, MD, University of Oregon Health Sciences Center, Department of Family Practice, 3181 SW Sam Jackson Park Road, Portland 97201.

## INTERNAL MEDICINE

Every Tuesday, 8:00 a.m. to 9:00 a.m.—**Internal Medicine Grand Rounds.** Library Auditorium, University of Oregon Health Sciences Center, Portland. Contact: Stephen Jones, MD, Department of Internal Medicine, University of Oregon Health Sciences Center, 3181 SW Sam Jackson Park Road, Portland 97201.

May 31-June 3—**Oregon Society of Internal Medicine and Oregon Chapter, American College of Physicians Annual Meeting.** Salishan Lodge, Gleneden Beach. Contact: Joyce Gullixson, Oregon Society of Internal Medicine, 5210 SW Corbett Avenue, Portland 97201.

## OF INTEREST TO ALL PHYSICIANS

May 17—**Circuit Course Program on Causes and Prevention of Stroke.** Presbyterian Inter-Community Hospital, Klamath Falls. Contact: Joyce Gullixson, OMA Headquarters, 5210 SW Corbett Avenue, Portland 97201.

May 18—**Circuit Course Program on Office Gynecology.** St. Charles Medical Center, Bend. Contact: Joyce Gullixson, OMA Headquarters, 5210 SW Corbett Avenue, Portland 97201.

May 18—**Circuit Course Program on Current Problems in Pediatrics.** Pacific Communities Hospital, Newport. Contact: Joyce Gullixson, OMA Headquarters, 5210 SW Corbett Avenue, Portland 97201.

May 25—**Circuit Course Program on Current Problems in Pediatrics.** Josephine General Hospital, Grants Pass. Contact: Joyce Gullixson, OMA Headquarters, 5210 SW Corbett Avenue, Portland 97201.

May 31—**Circuit Course Program on Disorders of the Lower G.I. Tract.** Columbia Memorial Hospital, Astoria. Contact: Joyce Gullixson, OMA Headquarters, 5210 SW Corbett Avenue, Portland 97201.

## WASHINGTON, ALASKA, MONTANA AND IDAHO

In order to have future activities listed here or to receive information on these and other activities, please write Ms. Joan M. Kelday, Information Specialist, Continuing Medical Education, WAMI Program, University of Washington School of Medicine, Health Sciences Building, SC-64, Seattle, Washington 98195. Phone: (206) 543-6995.

May 19-20—**Medical Applications of Diagnostic Ultrasound.** Friday-Saturday. Virginia Mason Medical Center, Seattle. Contact: Kenneth Wilske, MD, Dir. CME, Virginia Mason Medical Center, 1100 Ninth Ave., Seattle, WA 98101. (206) 223-6898.

May 22-23—**Radiologic Aspects of Renal Disease—Univ. of Wash. Internal Medicine Review Sessions in Washington.** Monday, May 22, Wenatchee. Contact: William M. McKee, MD, P.O. Box 489, Wenatchee, WA 98801. (509) 663-8711. Tuesday, May 23, Yakima. Contact: Harry R. Kimball, MD, Yakima Medical Center, Suite 5, Yakima, WA 98902. (509) 575-7666.

May 24-26—**Clinical Rheumatology—Univ. of Wash. Internal Medicine Review Sessions in Montana.** Wednesday, May 24, Great Falls. Contact: Mr. John Breeden, P.O. Box 2829, Great Falls, MT 59403. (406) 453-1493. Thursday, May 25, Billings. Contact: Mrs. Frances Burt, Continuing Medical Education, Marillac Hall, Billings, MT 59101. (406) 657-7083. Friday, May 26, Missoula. Contact: Mrs. Janet Perrin, 500 West Pine, Missoula, MT 59801. (406) 549-3782.

June 2—**Management of Acute Medical Problems.** Friday. Virginia Mason Medical Center Auditorium, Seattle. 7 hrs. Fee: \$75. Contact: Kenneth Wilske, MD, Dir. CME, Virginia Mason Medical Center, 1100 Ninth Ave., Seattle, WA 98101. (206) 223-6898.

June 5-6—**Infertility—Univ. of Wash. Obstetrics and Gynecology Program in Idaho and Washington.** Monday, June 5, Boise. Contact: David M. Barton, MD, 999 N. Curtis Rd., Boise, ID 83704. (208) 385-9391. Tuesday, June 6, Spokane. Contact: Wm. Harvey Frazier, MD, West 101 8th Ave., Spokane, WA 99204. (509) 838-8347.

June 7-9—**Osteoporosis and Metabolic Bone Disease Scanning—Univ. of Wash. Internal Medicine Review Sessions in Montana.** Wednesday, June 7, Great Falls. Contact: Sidney Pratt, MD, Box 2829, Great Falls, MT 59403. (406) 453-1491. Thursday, June 8, Billings. Contact: Mrs. Frances Burt, Continuing Medical Education, Marillac Hall, Billings, MT 59101. (406) 657-7083. Friday, June 9, Missoula. Contact: Mrs. Janet Perrin, 500 West Pine, Missoula, MT 59801. (406) 549-3782.

June 8-10—**Clinical Genetics—American College of Obstetricians and Gynecologists.** Thursday-Saturday. Washington Plaza Hotel, Seattle. 25 ACOG cognates. Fee: ACOG Fellows and Junior Fellows, \$175; all others, \$225. Contact: Morton Stenchever, MD, Chrmn., Dept. Ob-Gyn, School of Medicine, RH-20, University of Washington, Seattle, WA 98195. (206) 543-3580.

June 26-27—**Inflammatory Bowel Disease—Univ. of Wash. Internal Medicine Review Sessions in Washington.** Monday, June 26, Wenatchee. Contact: William M. McKee, MD, P.O. Box 489, Wenatchee, WA 98801. (509) 663-8711. Tuesday, June 27, Yakima. Contact: Harry R. Kimball, MD, Yakima Medical Center, Suite 5, Yakima, WA 98902. (509) 575-7666.

July 20-22—**Cardiology Symposium: American College of Chest Physicians—Pacific Northwest Chapter.** Thursday-Saturday. Virginia Mason Medical Center Auditorium, Seattle. Contact: Kenneth Wilske, MD, Dir. CME, Virginia Mason Medical Center, 1100 Ninth Ave., Seattle, WA 98101. (206) 223-6898.

August 17-18—**Difficult Problems in Pediatric Orthopaedics.** Thursday-Friday. Washington Plaza Hotel, Seattle. 14 hrs. Fee: \$150. Contact: Dept. of Orthopaedics, ZC-10, Childrens Orthopedic Hospital and Medical Center, P.O. Box C5371, Seattle, WA 98105. (206) 634-5250.

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